EASUREMENT BOO

	Dimensions				Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	6	7	8

SBRA0-185/15-16
A: 31-10-15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. 1st and final Bill

Name of Work Imp. and Asphalting from Kodigehally Enclave Roads in Ward no. 09 to 249663

Name of Contractor of nature of Agency B.B. Umesh in Vidyaranyapura Sub-Div

Date of commencement of work D.O. Recordy. 30/10/2015

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimated cost Rs. 20.00 Lakh. JOB.No: 009-15-000039						
	Work order no = EE/BTP/BBMP/E-PMT-10C/16739] Dt 22/04/16						
	Date of commencemt. 23-04-2016						
	Date of completion = 29-10-2016						
	(1) Earth work Excavation by manual means in ordy soil involving an average horizontal throw upto 2m and an average lift upto 0.75m, Excavated surface levelled and sides neatly dressed, the disposed earth to be						

MEASUREMENT BO

Date	Full description, etc, of work	Dimensions				Contents	Refere to Measure
		Number	Length	Breadth			
1	2	3	4	5	6	7	8
	levelled neatly after breaking of clods etc complete as per specifications and directions of Engineer-in-charge of the work.		Qty of dr. = MB = 1958 P. 195783 Deduct (1) = 726.384 @ 80.00/m³			5811p=47	
2)	Scarifying existing stone metal layer upto 75 mm thick along with their bituminous surface, picking up dislodged materials, and stacking old serviceable material with lead of 100 m, sequential breaking of the salvaged aggregates with fresh aggregates on prepared base and consolidating as per WBM etc complete as per specifications.						

Material No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wo
1	2
	and directions o
3)	Providing, laying aggregate to W providing the plant carriage laying in uni base course o

ASUREMENT BOOK

Dimensions			ntents	Referen to las Measure
Number 3	Length 4	Breadth 5	6 7	8

...ology of clods etc complete as per
...ctions of Engineer-in-charge of the

Qty vide MB = 1958 P2 195783
II ons (1) = 726.384 m² @ 80.00/m² 58110 P2 47

...stone metal layer upto 75 mm thick
...turnings surface, picking up oversized
...y old serviceable material with
...al spreading of the salvaged
...aggregate on prepared base and
...WBM etc complete as per specifications

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249664

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and directions of Engineer-in-charge of the work,						
	Qty as per II ons (2), MB = 1958 P2 195785 =		1952.504 m² @ 90/m²			175725.00	
	2) Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at one in mechanical plant carriage of mixed material by tipper to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	With vibratory Roller to achieve the desired density, etc Complete as per specifications and directions of Engineer-in-charge of the work.						
			Qty as per MB no 1958 pno 195787 =			376.1 sq.m @ 1500/-	564/195=
4)	Clean the Existing WBM Road surface including removal of bindly materials by and other foreign matter with wire brushes and small picks, sweeping with brooms or coir brushes and finally dusting with old gunny bags and or compressed air to receive the bituminous treatment includes costly all						

(1)

(2)

rial No. .....
me of Work .....
me of Contractor of nature of Agen
te of commencement of work .....

Date	Full description, etc, of wo
	2
	made sah, labo Complete as pe in-charge of WO
5)	Providing and bitumen (V at 2.5 kg/10 Spray Rat

EASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
					achieve the desired density, etc complete and directions of Engineer-in-charge of	
					Qty vide MB no 1958	
					p no 195787 = 376.134 m³ @ 1500/m³	564195.00
					WBM Road surface including strng by and other foreign matter and small pieces, sweeping with brushes and finally dusting with and or compressed air to recei treatment includg costs of all	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 249665
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	materials, labour, hire of machinery, charges complete as per specifications and directions of Engineer in-charge of work.						
						Qty vide MB 1958 p. 195788 Item no. (4) = 3548.50 m² @ 14/42	49,679=00
	5) Providing and applying tack coat using bitumen (VG-10) on the prepared black topped surface at 2.5 kg/10sqm, heating bitumen in boiler & fitted with spray set (Excluding cleaning of Road surface) including						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	cost of all Material, labour, Hiring machinery etc Complete as per specifications and direction of Engineer-in-charge of the work.						
						@ Rate as per item no (4) = 3548.50 m²	
						e 20.00/m²	70970.00
	5) Providing and laying semi-dense bituminous Concrete using crushed aggregate of specified grading, premixed with bituminous binder and drilled, transporting the hot mix to work site, laying in with a paver finisher to the required grade, level and alignment. Rolling with smooth wheeled, vibratory and tandem Roller to						

achieve the desired
Clause no. 508, Co
using 100-120TPH C
grading-II (25-30m
Complete as per spe
work.

(9) Ahmad layout H/F
Rajaram Station

URE MENT BOOK

Dimensions			Contents	Reference to last Measurement
umber 3	Length 4	Breadth 5	Depth 6	7	8
our, Hire of machinery etc					
ctions and directions of Engrs.					
Qty as per I.S no (4) = 3548.50 m²					
e 20.00/m²				70970.00	
ni- dense bituminous Carpet					
of specified grade, premixed					
der and rolled, transporting the					
laid in with a paver finisher					
level and alignment, Rolling with					
Static and Tandem Roller &c.					

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249666

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	achive the desired Compaction as per morth specifications Clause no. 508, Complete in all Respects, as per specifications using 100-120 TPH Capacity Hmp. with Sensor paver grade-II (25-30 mm) with 5% CRMB-55 grade, etc Complete as per specifications and directions of Engrs. in-charge of work.	1	30.00	$\frac{4.0+4.3}{2}$	$\frac{AM}{0.025}$ =	3.114	
	(1) Ahmad layout T/F Rgiaum Station	1	30.00	$\frac{4.3+4.3}{2}$	0.025 =	3.23	
		1	30.00	$\frac{4.3+4.0}{2}$	0.025 =	3.11	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
		1	30.00	$\frac{4.0+4.2}{2}$	0.025	= 3.684	
		1	30.00	$\frac{4.2+4.2}{2}$	0.025	= 3.150	
		1	22.50	$\frac{4.2+5.2}{2}$	0.025	= 2.64	
	(b) 3rd Avenue Layout 6th main Road	1	30.00	$\frac{5.0+4.3}{2}$	0.025	= 3.49	
		1	30.00	$\frac{4.3+4.6}{2}$	0.025	= 3.34	
		1	26.00	$\frac{4.6+4.4}{2}$	0.025	= 2.93	
	(c) 5th main Road — " —	1	30.00	$\frac{5.0+4.6}{2}$	0.025	= 3.60	
		1	30.00	$\frac{4.6+4.6}{2}$	0.025	= 3.450	
		1	28.50	$\frac{4.6+5.8}{2}$	0.025	= 3.29	
	(d) Rajanna - Road & Approach Road to Rajanna statue	1	17.00	$\frac{5.0+6.5}{2}$	0.025	= 2.44	

(1)

(2)

(c) Depression in hilly Dr. Rajanna Road

6th main 3rd Avenue Layout

ASUREMENT BOOK

	Dimensions			Contents	Refere to la Measure
	Number 3	Length 4	Breadth 5	Depth 6	7	8
	1	30.00	$\frac{4.0+4.2}{2}$	0.025	= 3.684	
	1	30.00	$\frac{4.2+4.2}{2}$	0.025	= 3.150	
	1	22.50	$\frac{4.2+5.2}{2}$	0.025	= 2.64	
	1	30.00	$\frac{5.0+4.3}{2}$	0.025	= 3.49	
	1	30.00	$\frac{4.3+4.6}{2}$	0.025	= 3.34	
	1	26.00	$\frac{4.6+4.4}{2}$	0.025	= 2.93	
	1	30.00	$\frac{5.0+4.6}{2}$	0.025	= 3.60	
	1	30.00	$\frac{4.6+4.6}{2}$	0.025	= 3.450	
	1	28.00	$\frac{4.6+5.8}{2}$	0.025	= 3.29	
	1	17.00	$\frac{5.0+6.5}{2}$	0.025	= 2.44	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

249667

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number 3	Length 4	Breadth 5	Depth 6 Avg	7	8
		1	10.00	$\frac{6.0+5.0}{2}$	0.025	1.38	
		1	30.00	$\frac{5.6+4.0}{2}$	0.025	3.60	
		1	30.00	$\frac{4.0+4.2}{2}$	0.025	3.68	
		1	20.00	$\frac{4.2+5.1}{2}$	0.025	= 3.08 2.33	
	(1) Depression in hilly Dr. Rg lower Road	1	5.50	2.80	0.025	0.39	
		1	5.10	2.10	0.025	0.27	
		1	10.80	3.00	0.025	0.81	
	Extra work for lower ground lay	1	16.20	3.50	0.025	1.42	
		1	15.50	3.35	0.025	1.30	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measu.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	5th main & Siddiviyagale Layout	1	14.50	3.25	0.025	1.18	
		1	13.95	3.20	0.025	1.12	
		1	11.60	3.00	0.025	0.87	
	(b) Chamundeshwari Temple Road Balance length (D' B' Road.)	1	30.00	$\frac{4.7+4.4}{2}$	0.025 =	3.41	
		1	30.00	$\frac{4.4+3.0}{2}$	0.025	3.53	
		1	24.00	$\frac{3.0+3.0}{2}$	0.025	3.60	
	(c) 11th CROSS - Swimming Layout	1	30.00	$\frac{3.0+4.3}{2}$	0.025	3.49	
		1	30.00	$\frac{4.3+4.3}{2}$	0.025	3.23	
		1	30.00	$\frac{4.3+4.8}{2}$	0.025	3.30	
		1	30.00	$\frac{4.5+4.5}{2}$	0.025	= 3.38	
		1	22.00	$\frac{4.5+4.7}{2}$	0.025	2.53	

EASUREMENT BOOK

	Dimensions				Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
	1	14.50	3.25	0.025	1.18	
	1	13.95	3.20	0.025	1.12	
	1	11.60	3.00	0.025	0.87	
	1	30.00	(4.7+4.4)/2	0.025	3.41	
	1	30.00	(4.4+5.0)/2	0.025	3.53	
	1	24.00	(5.0+5.0)/2	0.025	3.00	
	1	30.00	(5.0+4.3)/2	0.025	3.49	
	1	30.00	(4.3+4.3)/2	0.025	3.23	
	1	30.00	(4.3+4.8)/2	0.025	3.30	
	1	30.00	(4.5+4.5)/2	0.025	3.38	
	1	22.00	(4.5+4.7)/2	0.025	2.53	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To..... 249668

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ch: Durga Layout 8th main Road	1	30.00	(5.0+5.0)/2	0.025	3.75	
		1	30.00	(5.0+5.0)/2	0.025	3.75	
		1	12.00	(5.1+5.2)/2	0.025	1.58	
		1	20.00	(5.1+5.2)/2	0.025	2.58	
						96.094	
					Less	95.814	
	(1) Lead for Disposal of debris shall be payable at an avg rate by mechanical means including					0.280 cum	1,01,815.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Loading & unloading and as per the direction of Engineer in charge of work						
						Qty inside. Item (1) = 726.38 m³	
						Total = 690.064 m³ @ 80/-	55,204.
						Total Rs.	20,75,199

Certificate

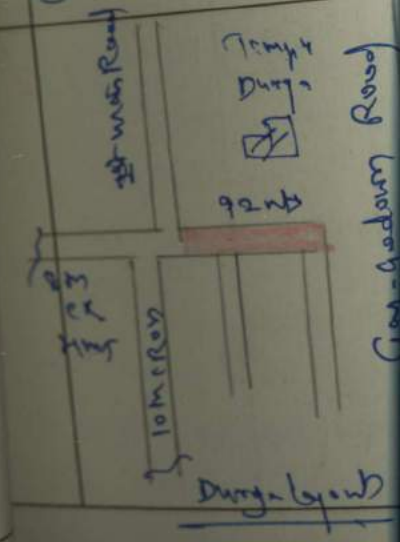
(1) Certified that the contractor has worked satisfactorily.

(2) The contractor removed the debris duly

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Material No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
	(2)
	2



EASUREMENT BOOK

	Dimensions			Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
					as per the direction of Engineer in Charge	
					Qty side. Item (1) = 728.38 m³	
					Total = 690.064 m³ @ 80/-	55,204/-
					Total Rs.	20,75,199/-
					the contractor has widened the	
					as removed the debris from	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

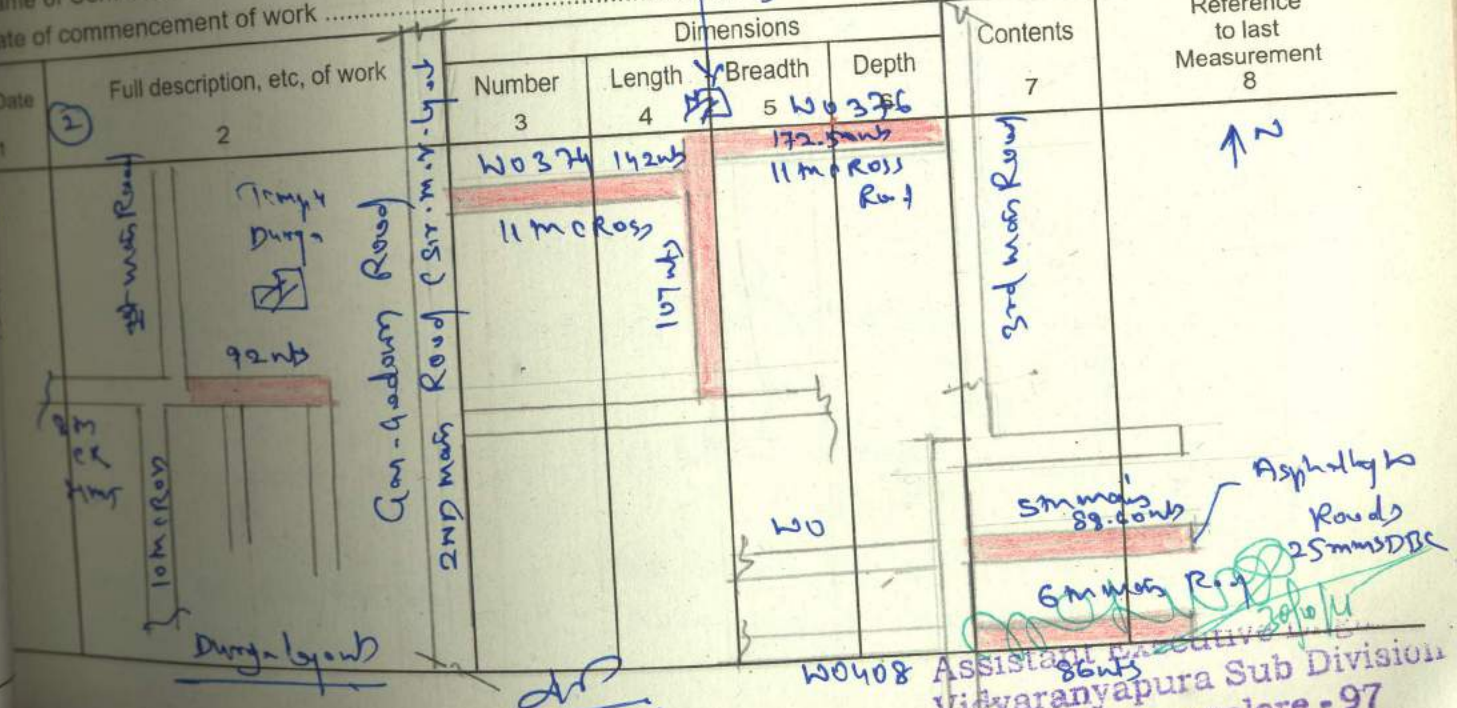
M. A. R. 57 (Rule 116)
Measurement Book

No. B

249669

Material No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency ..... (1)
Date of commencement of work .....

Date	Full description, etc, of work (2)	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
							N



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement Book
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 2075690=00 ಗಳಿಗೆ ಪ್ರಮಾಣ ಪತ್ರವಿದೆ. ಇದರಲ್ಲಿ ರೂ 151727=00 ಹೊರತಾಗಿ ಮುನಿಕೊಂಡು ಬಾಗಿ ಮೊಬಲಗು ರೂ 1923963=00 ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಪ್ರಾದೇಶಿಕ ಲೆಕ್ಕಪತ್ರ ವಿಭಾಗ ಪಿ. ಡಬ್ಲ್ಯೂ. ಡಿ ಇಲಾಖೆ						